SP7180P

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Polyclonal Antibody to BAG4 - Purified

Alternate names: BAG family molecular chaperone regulator 4, BAG-4, Bcl-2-associated athanogene 4, SODD, Silencer of death domains

Catalog No.: SP7180P

Quantity: 0.1 mg

Concentration: 0.5 mg/ml

Background: Several cell surface receptors that are involved in apoptosis contain intracellular death domains and are capable of triggering apoptosis when activated by their respective ligands (1). Due to presence of these death domains and presence of various stimuli in the serum as well as overexpression leading to receptor oligomerization, which leads to constitutive activation of the apoptotic pathway, it has been extremely difficult to generate permanent cell lines overexpressing specific receptors in culture. However, in normal states, this death domain activity is silenced presumably due to presence of other cellular factors. Recently, a DR3 associated protein has been isolated by yeast two-hybrid interaction assays. This cDNA encoding a 457-amino acid protein has been named as SODD (Silencer of Death Domain) (2). SODD also associates with the intracellular domains of TNF-R1, but not with those of TNF-R2, Fas, DR4, or DR5. SODD overexpression suppressed the TNF induced cell death as well as NF-kB activation (2). SODD may act as a negative regulatory protein that is normally associated with death domain of TNF-R1 and probably inhibit self-oligomerization properties of death domain and maintain TNF-R1 in an inactive, monomeric state.

Uniprot ID: O95429

NCBI: NP_004865.1

GeneID: 9530

Host: Rabbit

Immunogen: Peptide corresponding to amino acids 443-457 of human SODD protein

Format:
State: Liquid Ig fraction
Purification: Protein G Chromatography
Buffer System: PBS containing 0.2% gelatin and 0.05% sodium azide

Applications:
Western blot: 2.0 - 4.0 µg/ml.
Recommended positive control: HeLa.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:
This antibody is pecific for SODD.
Species: Human.
Other species not tested.

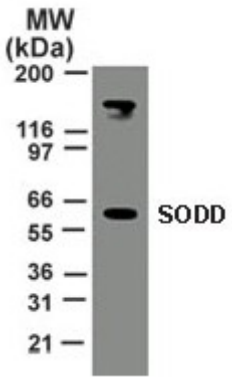
For research and in vitro use only. Not for diagnostic or therapeutic work.
Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Acris Antibodies is now part of the OriGene family. Learn more at www.origene.com

Storage: Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings:
1. Ashkenazi, A. and Dixit, VM. Science 281: 1305, (1998).
2. Jiang,Y., Woronicz, JD, Liu, D., and Goeddel, DV. Science 283: 543-546 (1999).

Pictures: Western blot analysis of 30 µg of total cell lysate from HeLa cells with anti-SODD SP7180P at 2 µg/ml.



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